

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

ORDER NO. 77-141

WASTE DISCHARGE REQUIREMENTS FOR:

TIDEWATER SAND AND GRAVEL COMPANY  
SAND DREDGING  
SUISUN BAY, SOLANO COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, finds that:

1. Tidewater Sand and Gravel Company, hereafter called the discharger, submitted a report of waste discharge dated October 11, 1977.
2. The Company proposes to discharge a maximum of 0.2 million gallons per day (mgd) of wastewater overflow from a barge used for hydraulic sand dredging in Suisun Bay between Stake Point and Middle Ground Island, Solano County as shown in Attachment A incorporated herein and made a part of this Order. The Company proposes to dredge up to 50,000 cubic yards of sand annually to be transported by barge to various locations on San Francisco Bay and its tributaries.
3. The Regional Board adopted waste discharge requirements for the Tidewater Sand and Gravel Company dredging discharge on March 28, 1972. The present requirements provide for modifications in the project description and a monitoring program. All present offloading operations are conducted by clamshell with no return flow involved.
4. The Board adopted a Water Quality Control Plan for the San Francisco Bay Basin in April 1975.
5. The beneficial uses of Suisun Bay are:
  - Industrial water supply
  - Swimming, water skiing, wading, pleasure boating, marinas and fishing
  - Fish and wildlife propagation and sustenance, and migratory birds habitat and resting
  - Navigation channels and port facilities
  - Esthetic enjoyment.
6. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
7. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

8. These discharge requirements govern the wastewater discharge from a privately owned barge used for sand dredging. This activity constitutes only a minor modification to land, and such activity is thereby exempt from the provisions of the California Environmental Quality Act in accordance with Section 15104, Chapter 3, Title 14, California Administrative Code.

IT IS HEREBY ORDERED, Tidewater Sand and Gravel Company shall comply with the following:

A. Discharge Specifications

1. The disposal of waste shall not create a nuisance as defined in Section 13050(m) of the California Water Code.
2. The discharge from the barge shall not cause:
  - a. Visible, floating, suspended or deposited oil or other products of petroleum origin in waters of the State at any place.
  - b. Waters of the State to exceed the following limits of quality at any place:

pH	7.0 minimum 8.5 maximum
Dissolved Oxygen	5.0 mg/l, minimum Annual median - 80% saturation
Dissolved Sulfide	0.1 mg/l maximum
Other Substances	Any one or more substances in concentrations that impair any of the protected beneficial water uses or make aquatic life or wildlife unfit or unpalatable for consumption.

3. The discharge from the barge shall not cause at any point more than five hundred (500) feet from the points of discharge and within 3 feet of the surface of waters of the State:
  - a. Floating or suspended macroscopic particulate matter or foam.
  - b. Alteration of apparent color beyond present natural background levels.
  - c. Increased turbidity above background levels by more than the following:

<u>Receiving Waters Background</u>	<u>Incremental Increase</u>
<50 units	5 units, maximum
50-100 units	10 units, maximum
>100 units	10% of background, maximum

B. Discharge Prohibitions

1. The discharge from the barge is prohibited above the water surface.

C. Provisions

1. The discharger shall file with the regional board technical reports on self-monitoring work performed according to detailed specifications as directed by the Executive Officer.
2. The discharger shall file with the Board a report on waste discharge at least 120 days before making any material change or proposed change in the character, location, or volume of the discharge.
3. The discharger shall permit the Regional Board:
  - (a) Entry upon premises in which an effluent source is located or in which any required records are kept,
  - (b) Access to copy any records required to be kept under terms and conditions of this Order,
  - (c) Inspection of monitoring equipment or records, and
  - (d) Sampling of any discharge.
4. All discharges authorized by this Order shall be consistent with the terms and conditions of this Order. The discharge of any pollutant more frequently than or at a level in excess of that identified and authorized by this Order shall constitute a violation of the terms and conditions of this Order.
5. The discharger shall maintain in good working order and operate efficiently as possible any facility or control system installed by the discharger to achieve compliance with the waste discharge requirements.
6. After notice and opportunity for a hearing, this Order may be terminated or modified for cause, including, but not limited to:
  - (a) Violation of any term or condition contained in this Order
  - (b) Obtaining this Order by misrepresentation, or failure to disclose fully all relevant facts;
  - (c) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
  - (d) A change in applicable effluent limitations guidelines as established by the Environmental Protection Agency pursuant to sections 301, 304(b), 306, and 307 of the Federal Water Pollution Control Act, as amended.

7. In the event the discharger is unable to comply with any of the conditions of this Order due to:

- (a) Breakdown of waste treatment equipment;
- (b) Accidents caused by human error or negligence; or
- (c) Other causes such as acts of nature,

the discharger shall notify the Executive Officer by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written notification shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to correct the problem and the dates thereof, and what steps are being taken to prevent the problem from recurring.

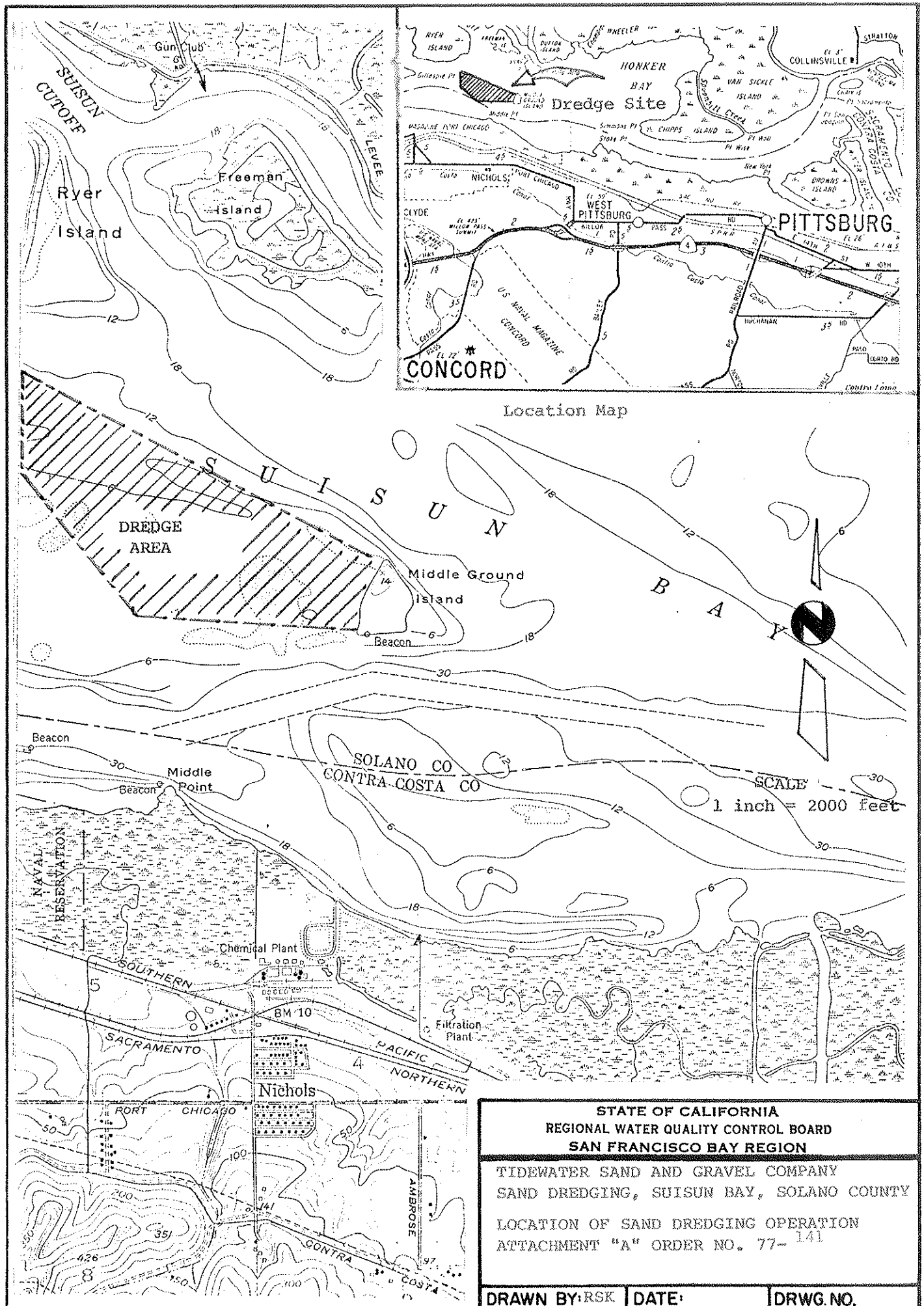
8. This Board's Order No. 72-16 adopted on March 28, 1972 is hereby rescinded.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on November 15, 1977.

FRED H. DIERKER  
Executive Officer

Attachments:

- A- Map
- Self-Monitoring Program



CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM  
FOR

Tidewater Sand and Gravel Company

Sand Dredging, Suisun Bay

Solano County

NPDES NO. CA \_\_\_\_\_

ORDER NO. 77-141

CONSISTS OF

PART A

AND

PART B

PART B

DESCRIPTION OF SAMPLING STATIONS AND  
SCHEDULE OF SAMPLING, ANALYSES, AND OBSERVATIONS

RECEIVING WATERS      (Suisun Bay)

<u>Station</u>	<u>Description</u>
C-1	At a point in Suisun Bay, located within 20 feet down current from the point of discharge.
C-2	At a point in Suisun Bay, located in the center of the waste field 100 feet down current from the point of discharge.
C-3	At a point in Suisun Bay, located 500 feet down current from the point of discharge.
CR	At a point in Suisun Bay, located 500 feet up current from the point of discharge and not located in the visible waste field.

Note: A sketch of the limits of each visible waste field shall be part of the map or photograph which indicates station locations for each sampling day.

<u>Station</u>	<u>Type of Sample and Frequency</u>	<u>Analyses</u>	<u>Units</u>
C-1	Grab samples, weekly during	Dissolved Oxygen	mg/l
thru	operation, throughout the	Dissolved Sulfide	mg/l
C-3,	year	Temperature	°C
CR		pH (electrometric)	units
		Turbidity	JTU
		Standard Observa-	
		tions	

I, Fred H. Dierker, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 77-141.
2. Does not include the following paragraphs of Part A:  
  
C.1., C.3., C.4., C.5.c., C.5.d., C.5.e., D.1., D.2.a., D.2.b., D.3., D.4., E.2., E.3., E.4., F.2., F.3.e., and F.3.g.
3. Has been ordered by the Executive Officer on November 15, 1977, and becomes effective immediately.
4. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer.

FRED H. DIERKER  
Executive Officer